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WHAT IS CLAIMED IS:

- 1. A coating composition comprising:
- (a) at least one component selected from the group consisting of an organosilane represented by the following general formula (1), a hydrolyzate of said organosilane and a condensates of said organosilane;
- (b) an organosiloxane oligomer having an SiO bond and a weight average molecular weight of 300 to 100,000;
 - (c) a photocatalyst; and
- (d-1) an organic solvent having a surface tension at 20°C of 260 $\mu N/cm$ or less:

$$(R^1)_n Si(OR^2)_{4-n} \tag{1}$$

wherein, R^1 , which may be the same or different when two or more R^1 groups are present, represents a monovalent organic group having 1 to 10 carbon atoms; R^2 , which may be the same or different when two or more R^2 groups are present, represents an alkyl group having 1 to 5 carbon atoms or an acyl group having 1 to 6 carbon atoms; and n is an integer ranging from 0 to 2.

- 2. The coating composition according to claim 1, which further comprises (e) a polymer containing a silyl group having a silicon atom bound to a hydrolytic group and/or a hydroxyl group.
- 3. The coating composition according to claim 1 or 2, wherein said component (a) is (a-1) at least one component selected from the group consisting of an organosilane

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represented by general formula (1) (wherein n is 1 or 2, and at least one of R¹ groups is an epoxy group-containing substituted derivative), a hydrolyzate of said organosilane and a condensate of said organosilane; and

- 5 (a-2) at least one component selected from the group consisting of an organosilane represented by general formula (1) (wherein no epoxy group is contained in R¹), a hydrolyzate of said organosilane and a condensate of said organosilane.
 - 4. The coating composition according to any one of claims 1 to 3, wherein said component (b) has a group represented by general formula -(RO)p-(R'O)q-R" (wherein R and R', which may be the same or different, represent alkyl groups each having 1 to 5 carbon atoms, R" represents a hydrogen atom or an alkyl group having 1 to 5 carbon atoms, and p+q is from 2 to 30), and a silyl group having a silicon atom bound to a hydrolytic group and/or a hydroxyl group.
 - 5. A method for producing a coating composition which comprises hydrolyzing and/or condensing at least one selected from the group consisting of:
- 20 (a) an organosilane represented by the following general formula (1);
 - (b) an organosiloxane oligomer having an SiO bond and a weight average molecular weight of 300 to 100,000; and
- (e) a polymer containing a silyl group having a silicon 25 atom bound to a hydrolytic group and/or a hydroxyl group, in

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the presence of (c') an aqueous dispersion of a photocatalyst having a pH of 3 to 9 and (d') an organic solvent in which the content of an organic solvent having a surface tension at 20°C of more than 260 μ N/cm is 20% by weight or less based on the whole organic solvent:

$$(R^1)_n Si(OR^2)_{4-n} \tag{1}$$

wherein, R¹, which may be the same or different when two or more R¹ groups are present, represents a monovalent organic group having 1 to 10 carbon atoms; R², which may be the same or different when two or more R² groups are present, represents an alkyl group having 1 to 5 carbon atoms or an acyl group having 1 to 6 carbon atoms; and n is an integer ranging from 0 to 2.

- 6. The method according to claim 5, wherein said component (a) is (a-1) at least one component selected from the group consisting of an organosilane represented by general formula (1) (wherein n is 1 or 2, and at least one of R¹ groups is an epoxy group-containing substituted derivative), a hydrolyzate of said organosilane and a condensate of said organosilane; or
- (a-2) at least one component selected from the group consisting of an organosilane represented by general formula (1) (wherein no epoxy group is contained in R¹), a hydrolyzate of said organosilane and a condensate of said organosilane.
- 7. A cured product obtained by coating and drying the coating composition according to any one of claims 1 to 4, or

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the composition obtained by the method according to claim 5 or 6.

- 8. A cured product having a dry coating layer comprising any one of the following undercoating compositions (i) to (iv), and having thereon a dry coating layer comprising the coating composition according to any one of claims 1 to 4, or the coating composition obtained by the method according to claim 5 or 6:
- (i) An undercoating composition containing said components (a) and (e);
- (ii) An undercoating composition containing said components (a) and (e), and (f) colloidal silica and/or colloidal alumina;
- (iii) An undercoating composition containing said components (a) and (e), and (g) colloidal cerium oxide and/or colloidal zinc oxide; and
- (iv) An undercoating composition containing said components (a), (e), (f) and (g).
- 9. A coating film having a dry coating layer comprising any one of the undercoating compositions (i) to (iv) specified in claim 8, and having thereon a dry coating layer comprising the coating composition according to any one of claims 1 to 4, or the coating composition obtained by the method according to claim 5 or 6.